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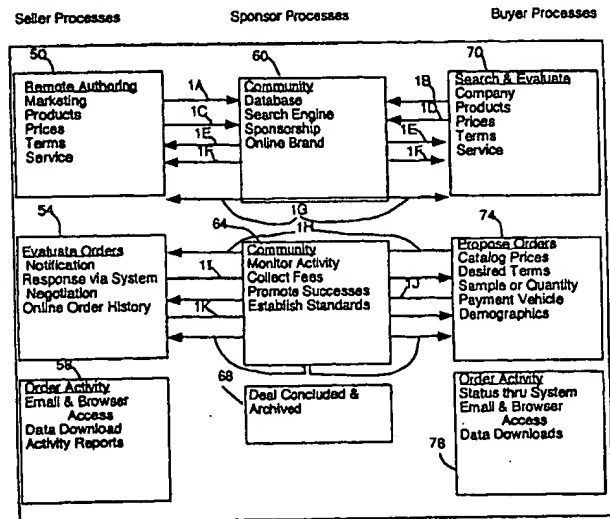


9/873,061

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(21) International Application Number: PCT/US99/27219 (22) International Filing Date: 16 November 1999 (16.11.99) (30) Priority Data: 09/193,078 16 November 1998 (16.11.98) US (63) Related by Continuation (CON) or Continuation-in-Part (CIP) to Earlier Application US 09/193,078 (CON) Filed on 16 November 1998 (16.11.98) (71) Applicant (for all designated States except US): TRADE ACCESS, INC. [US/US]; 350 Massachusetts Ave., Cambridge, MA 02139-4182 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): CONKLIN, Jeffrey [US/US]; 41 Rutland Square, Boston, MA 02118 (US). FOUCHER, David [US/US]; 374 Beacon St., Somerville, MA 02143 (US). FOUCHER, Daniel [US/US]; 195 South Road, Bedford, MA 01730 (US). (74) Agent: STRETCH, Maureen; 26 Charles St., Natick, MA 01760 (US).			(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).  Published With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

(54) Title: INTEGRATED REMOTE WEB AUTHORIZING SYSTEM



(57) Abstract

Integrated remote web authoring in a multivariate negotiations engine (212) which: enables a sponsor to create and administer a community (CA, CB, CC) between participants such as buyers and sellers having similar interests; allows a buyer/participant to search and evaluate (70) seller information; propose (74) and negotiate orders and counteroffers that include all desired terms, request sample quantities, and track activity (78); allows a seller/participant to use remote authoring templates to create (50) a complete Website for immediate integration and activation in the community, to evaluate (54) proposed buyer orders and counteroffers, and to negotiate multiple variables such as prices, terms, conditions, etc., iteratively with a buyer.

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**CLAIMS**

What is claimed is:

1. An apparatus for remote authoring of websites, comprising:

- a network;

5 - a multivariate negotiations engine system including storage space, remote web authoring software and sponsored community software, the multivariate communications engine being connected to the network;

- a first storage area in the storage space for storing at least one website template;

- a second storage area in the storage space for storing sponsored community

10 functions;

- an authoring terminal connected to the network, the authoring terminal including software for sending and receiving terms along a communications path over the network which flows through the multivariate negotiations engine system; during iterative processing the remote web authoring software enabling the authoring

15 terminal to select a website template from the first storage area, responding to terms sent from the authoring terminal to modify the website template and integrating the modifications made to the website template with sponsored community functions.

2. The apparatus of Claim 1, wherein the multivariate negotiations engine system prompts the authoring terminal to submit information requested by the multivariate

20 negotiations engine system.

3. The apparatus of Claim 2, wherein the information submitted by the authoring terminal is formatted for automatic transmission to search engines upon completion of the website authoring process.

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4. The apparatus of Claim 2, wherein the multivariate negotiations engine system presents any sponsored community functions for acceptance by the authoring terminal.
5. The apparatus of Claim 4, wherein the authoring terminal may propose different terms than those offered in the community sponsored functions.
6. The apparatus of Claim 5, wherein the terms proposed by the authoring terminal can be negotiated iteratively using the multivariate negotiations engine system until a final set of terms has been agreed upon.
7. The apparatus of Claim 6, wherein final customizatn of the website is initiated by the multivariate negotiations engine system.
8. The apparatus of Claim 2 wherein the information submitted by the authoring terminal includes data entered online.
9. The apparatus of Claim 2, wherein the information submitted by the authoring terminal includes data supplied electronically using an applications program interface.
10. The apparatus of Claim 2 wherein the information submitted by the authoring terminal includes data submitted electronically using a file transfer protocol.
11. The apparatus of Claim 2, wherein the information submitted by the authoring terminal includes data submitted electronically using an extensible markup language.

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12. The apparatus of Claim 1, wherein the authoring terminal can request a preview of the website at any time.
13. The apparatus of Claim 1, wherein the multivariate negotiations engine system verifies that the authoring terminal has completed the website and wants the website to  
5 be activated.
14. A method for remote authoring of websites, comprising the steps of:
- -establishing a network;
  - - connecting a multivariate negotiations engine system including storage space, remote web authoring software and sponsored community software, to the network;
  - 10 - -locating a first storage area in the storage space for storing at least one website template;
  - - locating a second storage area in the storage space for storing sponsored community functions;
  - -communicating with an authoring terminal connected to the network, the authoring  
15 terminal including software for sending and receiving terms along a communications path over the network which flows through the multivariate negotiations engine system; during iterative processing the remote web authoring software enables the authoring terminal to select a website template from the first storage area, responding to terms sent from the authoring terminal to modify the website template and  
20 integrating the modifications made to the website template with sponsored community functions.
15. The method of Claim 14, wherein the step of communicating with an authoring terminal further comprises the step of having the multivariate negotiations engine

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system prompt the authoring terminal to submit information requested by the multivariate negotiations engine system.

16. The method of Claim 15, wherein the step of submitting information by the authoring terminal further comprises the step of formatting information so received  
5 for automatic transmission to search engines upon completion of the website authoring process.

17. The method of Claim 15, wherein the step of communicating with the authoring terminal further comprises the step of having the multivariate negotiations engine system presents any sponsored community functions for acceptance by the authoring  
10 terminal.

18. The method of Claim 17, wherein the step of communicating with the authoring terminal further comprises the step of having the authoring terminal propose different terms than those offered in the community sponsored functions.

19. The method of Claim 18, wherein the step of proposing terms by the authoring  
15 terminal further comprises the step of iteratively negotiating the terms using the multivariate negotiations engine system until a final set of terms has been agreed upon.

20.. The method of Claim 19, wherein the step of final customizat on of the website is initiated by the multivariate negotiations engine system.

20 21. The method of Claim 15, wherein the step of submitting information by the

-72-

authoring terminal includes the step of entering data online.

22. The method of Claim 15, wherein the step of submitting information by the authoring terminal includes the step of supplying data electronically using an applications program interface.

5 23. The method of Claim 15 wherein the step of submitting information by the authoring terminal includes the step of supplying data submitted electronically using a file transfer protocol.

24. The method of Claim 15, wherein the step of submitting information by the authoring terminal includes the step of submitting data electronically using an  
10 extensible markup language.

25. The method of Claim 14, wherein the step of communicating with the multivariate negotiations engine system further includes the step of the authoring terminal requesting a preview of the website at any time.

26. The method of Claim 14, wherein the step of communicating with the multivariate  
15 negotiations engine system includes the step of the multivariate negotiations engine system verifying that the authoring terminal has completed the website and wants the website to be activated.

27/9/1 (Item 1 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
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02407165 SUPPLIER NUMBER: 62503337 (THIS IS THE FULL TEXT)  
CONTENT MANAGEMENT -- SIMPLY A DRAG -- EKeeper Enterprise: Simple but  
expensive content management. (Software Review) (Evaluation)

Morgan, Lisa  
InternetWeek, 50  
June 5, 2000

DOCUMENT TYPE: Evaluation ISSN: 1096-9969 LANGUAGE: English  
RECORD TYPE: Fulltext  
WORD COUNT: 897 LINE COUNT: 00073

TEXT:

EKeeper Enterprise from eKeeper.com is a content management solution that's supposedly so easy to use, anyone can update the corporate Web site. The problem is, prices start at \$12,000 for 10 users, or \$1,200 per seat, with additional licenses available for \$350 per user.

In an era when you can procure remarkable Web-oriented software at bargain basement prices, one would wonder why a simple solution aimed at the lowest common denominator would command such a high price.

The company points out eKeeper is not a packaged solution and that it replaces costly project managers. In addition, eKeeper.com will help you develop a unique set of **templates** so any kind of file can be **automatically** translated into a preformatted **XML/XSL Web page** that reflects your company's **design** standards. Three **templates** are included in the price, with additional **templates** available for \$1,000 each.

Priceline.com doesn't seem to think the price tag is too high. The company is using eKeeper to update content on its gasoline and grocery Web sites.

Price aside, eKeeper is easy to use, generally speaking. The workspace is divided into three areas that show:

- A hierarchical view of the new or existing site, arranged in folders
- A list of all files in a given folder, and
- A preview of how the files appear on the Web page assigned to the folder.

To update an FAQ file, for example, the user simply clicks on the "New FAQ" icon and a form pops up. The user types in the question, answer and his/her e-mail address (the date of entry appears automatically), and then clicks OK. The new entry automatically appears on the Web preview page already formatted, and the e-mail link is active even before the page is published.

To publish updates to the Web site, the user simply clicks the "Synchronize" key. It's one-click publishing.

Files can be added to a site from a remote location in one of two ways: by initiating Windows Explorer and getting to the file, or by pressing the "Add a File" icon. The company recommends the former.

Launching another application just to grab a file doesn't make a lot of sense. The company argues that the benefit is "dragging and dropping" files into a site, but this would be better accomplished in the application itself.

In the version we received, the application crashed intermittently when we attempted to load a file using the "Add a File" icon. Sometimes a file would load and other times it wouldn't. Sometimes the application completely shut down and other times it didn't, instead leaving OK digital trash in a folder. This is a known bug that has been fixed, according to founder and CTO John Mott.

Of the files that were uploaded, only some appeared on the Web preview workspace whether the page was posted to the Web or not. The Web pages appeared in the workspace that lists files in a folder-so they were there, but for some reason they didn't make it to the Web page. We tested this repeatedly and could not rationalize the results.

One of eKeeper's touted features is that Web pages can be easily edited from anywhere, which is great for any user who is on the road and needs to update Web content often. The problem is you have to understand the methodology. Yeah, it's simple enough. But using a universally

understood icon or menu item labeled "Edit" would make things easier for the breadth of users than "Properties."

EKeeper offers some basic functionality that's positioned as "project management." It enables two companies to keep a common set of files on a Web site that either partner can add to, access or update. It's a simple way of centralizing collaborative projects for any number of partners. Each of the partner folders can be organized in subfolders and files. Logos and images can easily be added to the partner pages.

EKeeper is designed to help companies more easily maintain their Web sites without having to burden Web developers or project managers with rote tasks such as page updates. The product is easy to use, but not as intuitive as it should be. Moreover, the ease of use does not warrant a substitute for reliability and robustness.

Perhaps later versions of this product will be more impressive. The plans look good.

Lisa Morgan is a freelance business and technology writer. She can be reached at [lisamorgan@mindspring.com](mailto:lisamorgan@mindspring.com).

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win some, lose some

Hewlett-Packard JetDirect 500X (Model J3265A)

Hits

-Three parallel ports, lowest price

Misses

-Limited OS compatibility, requires extra steps to configure on

end-user PCs

Intel NetPort- Express 10/100 (Model PCLA2461)

Hits

-Easiest to install, configure and manage on end-user PCs, wide

support for enterprise operating systems

Misses

-Only two parallel ports, most expensive model

Lexmark MarkNet X2031e

Hits

-Competitive price, widest array of compatible OSes

Misses

-Only two parallel ports, not as easy to configure and manage as the

Intel server

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eKeeper Enterprise

EKeeper.com

Nashville, TN

[www.ekeeper.com](http://www.ekeeper.com)

Pricing Starts at \$12,000 for 10 users and includes three customer templates; additional seats \$350 each, additional templates \$1,000 each

<http://www.internetwk.com/>

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COMPANY NAMES: eKeeper.com--Products

GEOGRAPHIC CODES/NAMES: 1USA United States

DESCRIPTORS: Web site management software; Software single product review

EVENT CODES/NAMES: 350 Product standards, safety, & recalls

PRODUCT/INDUSTRY NAMES: 7372682 (Internet Server Software)

SIC CODES: 7372 Prepackaged software

NAICS CODES: 51121 Software Publishers

TRADE NAMES: EKeeper Enterprise (Web site management software)--

Evaluation

FILE SEGMENT: CD File 275

27/9/6 (Item 2 from file: 621)

DIALOG(R)File 621:Gale Group New Prod.Annou.(R)

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02676038 Supplier Number: 65900163 (THIS IS THE FULLTEXT)

**worldweb.net(SM) Launches Solution Partner Program to Meet The Growing Complexities of Content Management.**

PR Newswire, pNA



Oct 10, 2000

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 796

TEXT:

Integrated Information Systems, Luminant, Rare Medium, and Others  
Integrate Content Management and Best-of-Breed Technologies to  
Develop

Total e-Business Solutions

ALEXANDRIA, Va., Oct. 10 /PRNewswire/ --

worldweb.net, Inc., an innovative leader in XML-powered content management, today announced its Solution Partner Program, expanding one of its Expressroom(R) I/O distribution channels. Integrated Information Systems, Inc. (IIS), Luminant Worldwide Corporation, and Rare Medium are among the first integrators to join the program.

"A content management solution should be designed to be flexible and open so that it seamlessly works with other best-of-breed technologies," said Andrew Warzecha, vice president at META Group. "Products like Expressroom I/O that are XML and Java compliant, with open API sets that easily enable system integrators to effortlessly incorporate an advanced content management product within a customer's total e-Business platform, will dominate the next generation of content management solutions."

worldweb.net's Solution Partner Program facilitates partnerships with integrators worldwide that are incorporating Expressroom I/O into their total e-Business solutions. "We understand that content management is one part of several strategic functions within a major Web application infrastructure," said Brian Riley, vice president of Strategic Alliances. "We look forward to continued success with our solution partners as we work together to help customers overcome their complex e-Business platform challenges."

Content Management Solution of Choice Among System Integrators and  
End

Users

As an important component of an e-Business infrastructure, Expressroom I/O is an **XML** -powered and Java-based content management solution that enables organizations to create, manage, deploy, and deliver Web content. With its open, standards-based architecture, Expressroom I/O is extensible, enabling developers with sophisticated **template** design, content creation, and administration tools to facilitate site construction, creation, and management. Non-technical staff easily manages virtually any digital asset generated from a variety of sources including external design and authoring tools, content syndicators, and databases.

End users request the Expressroom I/O solution for its ease-of-use, graphical interface, and robust and flexible capabilities. **Designers** and writers can easily **create Web pages** using GUI interfaces and **dynamic XML templates**. Content or components, such as text, images, video, or sound, are stored as **XML** objects, and are easily managed by non-technical users.

About worldweb.net's Current System Integrator Partners

IIS (Nasdaq: IISX) is a leading Internet professional services firm possessing the full range of capabilities necessary to rapidly transform growing enterprises to a digital environment. Expanding beyond the traditional service **model** of strategy consulting, creative design, and Internet application development, IIS also provides the critical elements of network infrastructure, and application management and hosting services. Utilizing its proprietary service methodology, Dimensions(SM), IIS provides its clients with a framework in which innovative Internet solutions can be conceptualized, enhanced, and implemented with the speed-to-market necessary to succeed in the rapidly evolving Internet environment.

Luminant (www.luminant.com) is one of the world's most experienced integrated e-business services firms. Luminant professionals (known as Luminaries) "stretch the Net" to deliver business value through increased revenues, productivity and customer loyalty. Multidisciplinary client teams imagine and realize successful strategy, creative, technology, and marketing solutions for the company's premier client base. Some of the firm's clients include Administaff, Inc., The Container Store, Dr Pepper(R), Enron Corporation, IBM Corporation, MasterCard International, Partsbase.com, United Airlines, and Verizon Communications. Based in

Dallas, Luminant has principal locations in Atlanta, Chicago, Denver, Houston, New York, San Francisco, Seattle, and Washington, D.C.

Rare Medium's Internet Services include development and authoring of business plans and strategies; strategic, creative and technological consulting for Web initiatives; on-line brand development and management; development of content for broadband and wireless applications; and launch of on-line commerce trading exchanges.

worldweb.net will work with its Solution Partners on joint business development initiatives, marketing, and technology development. To find out how to become a worldweb.net Solution Partner, email the company at [partners@worldweb.net](mailto:partners@worldweb.net).

About worldweb.net, Inc.

worldweb.net, Inc., founded in 1994, is a leading provider of innovative and complete content management software, which enables organizations to efficiently construct, author, organize, and manage business assets contained on their Web sites. worldweb.net's premier software product, Expressroom I/O, is the only complete, XML-powered, content management system available. It provides organizations with the most flexible and open environment for easy creation, management, deployment, and delivery of dynamic content across multiple communication channels such as the Web and wireless devices. Headquartered in Alexandria, Virginia, worldweb.net has offices across the country and in Europe. For more information on worldweb.net and its content management solutions, visit worldweb.net's Web site at <http://www.worldweb.net> or e-mail [info@worldweb.net](mailto:info@worldweb.net).

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PUBLISHER NAME: PR Newswire Association, Inc.

COMPANY NAMES: \*Integrated Information Systems Inc.; Luminant Worldwide Corp.; Worldweb.net

GEOGRAPHIC NAMES: \*1USA (United States)

PRODUCT NAMES: \*7372000 (Computer Software); 7372610 (Network Operating Systems & Utilities); 7372680 (Internet Software)

INDUSTRY NAMES: BUS (Business, General); BUSN (Any type of business)

SIC CODES: 7372 (Prepackaged software)

NAICS CODES: 51121 (Software Publishers)

27/9/7 (Item 3 from file: 621)

DIALOG(R)File 621:Gale Group New Prod.Annou.(R)

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02655231 Supplier Number: 65457027 (THIS IS THE FULLTEXT)

**SolidWorks Introduces 3D Instant Website: a Breakthrough in 3D**

**Communication; Leading CAD Developer Provides Single-Click Web Creation and Hosting Capabilities.**

Business Wire, p2243

Sept 25, 2000

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 672

TEXT:

Business/Technology Editors

CONCORD, Mass.--(BUSINESS WIRE)--Sept. 25, 2000

SolidWorks Corporation, a leading provider of affordable, easy-to-use 3D CAD software for the mainstream market, today announced 3D Instant Website, a new tool that enables SolidWorks users to quickly and easily create and publish live Web pages with 3D interactive content. 3D Instant Website makes design collaboration easier and more efficient by leveraging the power of the Internet to improve communication throughout the extended design team, including designers, manufacturing personnel, outside vendors, purchasing agents, marketing departments, and customers. SolidWorks customers can publish designs either to a SolidWorks-hosted Website, or locally to their corporate Intranets. Publishing to a SolidWorks-hosted Website eliminates the need for users to have any Web

server infrastructure.

Unlike traditional Web publishing tools that provide static 2D images, 3D Instant Website enables users to publish interactive 3D images with a single mouse click. Visitors to the password-protected site can view, rotate, zoom, and pan 3D **models** without manually downloading or installing any additional viewers or CAD software.

3D Instant **Website** also provides customers with powerful, easy-to-use **templates** for publishing SolidWorks designs. These customizable **templates** and **style sheets** use standard XML and XSL conventions to define the information and presentation of the Web pages. The open **XML** and XSL standards enable users with limited programming and **Web page** design experience to easily create and modify **templates**. This flexibility allows users to add new data to their **Web pages** and define how their data is displayed on a **Website**. The 3D Instant **Website** publisher includes two sample **templates** :

- Basic **Template** - enables users to enter **Web page** titles, design descriptions, related web links, and company information.

- Collaborative **Template**
  - allows users to invite anyone with a Web browser to

review and comment on the design. The invited reviewers can then provide comments that are **automatically** added to the **Web page**, and accept or reject the **design** concepts.

"3D Instant **Website** is a breakthrough in ease-of-use for design communication and collaboration," said John McEleney, vice president of the Americas for SolidWorks. "The Internet continues to change the way that people communicate and SolidWorks is committed to leveraging Web technology to help our customers work faster, easier, and more efficiently. 3D Instant Website is an incredibly important step in the future of collaborative CAD."

#### Viewing Formats

3D Instant Website supports several standard, 3D interactive viewing formats, including eDrawings(TM), CATweb, Metastream, and RealityWave. Users can choose any of these viewing formats to publish designs based on their individual needs. The viewers are automatically downloaded and installed, so there is no need to purchase or download any additional software to view the **models**.

#### Pricing and Availability

SolidWorks 3D Instant **Website** is available at no additional cost to all SolidWorks customers using Service Pack 8 or later. Hosting of the Websites is also available at no additional cost until the shipping of SolidWorks 2001 software begins. All future shipments of SolidWorks software will include 3D Instant Website.

To view examples of 3D Instant Website, visit: [www.solidworks.com](http://www.solidworks.com)  
3dInstantWebsite

#### About SolidWorks Corporation

SolidWorks Corporation, a Dassault Systemes S.A. (NASDAQ:DASTY) company, develops and markets mechanical design software solutions. Founded in 1993, SolidWorks' mission is to deliver the power of 3D to everybody in design and manufacturing. In less than 5 years of shipping product, SolidWorks has sold more than 54,000 commercial seats of software to over 17,000 customers and more than 46,000 educational seats to more than 2,900 academic institutions worldwide. SolidWorks has offices worldwide and distributes its products through a network of 230 resellers selling in 70 countries. For more information and a product demonstration, contact a SolidWorks distributor or reseller, or call SolidWorks directly at 1-800-693-9000 (outside of North America, call +1-978-371-5000). For the latest news, information, or a live online demonstration, visit the company's Website ([www.solidworks.com](http://www.solidworks.com)).

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PUBLISHER NAME: Business Wire  
COMPANY NAMES: \*SolidWorks Corp.  
PRODUCT NAMES: \*7372000 (Computer Software)  
INDUSTRY NAMES: BUS (Business, General); BUSN (Any type of business)  
SIC CODES: 7372 (Prepackaged software)  
NAICS CODES: 51121 (Software Publishers)

27/9/8 (Item 4 from file: 621)

DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
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02507260 Supplier Number: 62211455 (THIS IS THE FULLTEXT)  
**New George Magazine Web Site Goes Live Powered by Worldweb.net's  
Expressroom, An XML Content Management Solution.**

Business Wire, pl272

May 22, 2000

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 658

TEXT:

Business Editors

ALEXANDRIA, Va.--(BUSINESS WIRE)--May 22, 2000

Expressroom Offers Ease of Use, Scalability, and Dynamic Content  
Worldweb.net, a leader in content management, today announced that  
George(R), a leading political magazine, is using Expressroom(TM) to power  
its re-launched web site, [www.georgemag.com](http://www.georgemag.com). Expressroom is an XML-powered  
content management solution for high performance, dynamic Web sites.

Now George is Not Just Politics as Usual(R) on the Internet. Just  
like its print counterpart, Georgemag.com is an irreverent guide to the  
personalities, processes, and issues that form our political culture.  
George, a joint venture between Hachette Filipacchi and Random Ventures,  
co-founded by the late John F. Kennedy, Jr. and Michael Berman, colorfully  
illustrates American politics with insightful and news-breaking reporting,  
columnists and commentary. In addition to dynamic content, Georgemag.com  
also features online bulletin boards for its readers to debate current  
issues, live political news, as well as online subscription ordering  
capability.

"We chose Expressroom to power the George Web site because we wanted  
a dynamic site that we could manage ourselves," said Donald Perri, senior  
vice president of new media for Hachette Filipacchi Magazines. "Not only is  
it simple to use, it efficiently allows us to give our readers the latest  
news."

As an important component of Web infrastructure, Expressroom is a  
content management platform that creates, manages, deploys, and delivers  
Web content. It enables organizations to more efficiently and profitably  
manage their Web sites by exploiting the power of XML and Java. The open  
standards-based architecture of Expressroom allows non-technical people to  
handle content creation. Content updates are completely separate from the  
site administration activities of the technical Web site manager.

"Worldweb.net is committed to making dynamic Web sites easier and  
more efficient to create and manage. We are very excited to power the  
Georgemag.com site," said Brian Loew, president and CEO of Worldweb.net.  
"They needed scalability and the ability to maintain their site without  
hiring more hard-to-find technical personnel. Expressroom allows them to  
meet both their business and technology goals." About Expressroom  
Expressroom is a content management platform that enables employees to  
easily create, manage, deploy, and deliver Web content. It combines the  
power of **XML** and Java to create an application that is platform  
independent, media independent, vendor independent, and format-rendering  
independent. **Designers** and writers can easily **create Web pages**  
using GUI interfaces and truly **dynamic XML templates**. Content,  
whether it be in the form of text, images, video, or sound is stored as  
**XML** objects, also easily managed by non-technical users. By fully  
separating the Web site development environment from the deployment  
environment, Expressroom supports distributed content delivery, allowing  
thousands of users to view millions of pages. With its open,  
component-based architecture, Expressroom is flexible enough to deploy as a

total solution or to customize as a platform working with best-of-breed products.

#### About HFNM

Hachette Filipacchi Magazines is the largest publisher of special interest publications, with Hachette Filipacchi New Media bringing many of these titles to you on the World Wide Web including: premiere.com; caranddriver.com; roadandtrack.com; georgemag.com; and womansday.com.

#### About Worldweb.net

Worldweb.net is a leading provider of XML-powered and Java-based content management solutions for enterprise web sites. Worldweb.net helps organizations to more efficiently manage their web sites by disseminating control and usability to both non-technical personnel and web professionals in order to enhance the overall value of the site. Worldweb.net powers the web sites of such notable companies as Kiplinger (www.kiplinger.com), George(R) Magazine (www.georgemag.com) and DC United (www.dcunited.com). Headquartered in Alexandria, Virginia, Worldweb.net has offices across the country and in Europe. For more information on the Worldweb.net and its content management solutions, visit the company's web site at <http://www.worldweb.net> or e-mail [info@worldweb.net](mailto:info@worldweb.net).

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INDUSTRY NAMES: BUS (Business, General); BUSN (Any type of business)

SIC CODES: 7372 (Prepackaged software)

NAICS CODES: 51121 (Software Publishers)

27/9/16 (Item 12 from file: 621)

DIALOG(R) File 621:Gale Group New Prod.Annou.(R)

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02224053 Supplier Number: 57384799 (THIS IS THE FULLTEXT)

**Bowstreet's Web Automation Factory Breaks Major Bottleneck to e-commerce**

**Adoption: Time, Cost and Pain of Customizing B2b Web Sites.**

Business Wire, pl165

Nov 8, 1999

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 1657

TEXT:

PORTSMOUTH, N.H.--(BUSINESS WIRE)--Nov. 8, 1999--

Breakthrough technology for mass-customizing B2B Web sites targeted at Fortune 1000, B2B trading portals and application service providers (ASPs)

Bowstreet Software Inc., (www.bowstreet.com), today announced the much-anticipated commercial release of the Bowstreet Web Automation Factory(TM), which breaks a critical e-commerce bottleneck by enabling companies to quickly deliver affordable, highly customized business-to-business Web sites for multiple customers and business partners. Bowstreet also announced that a growing list of Fortune 1000 companies and e-commerce leaders are beginning to use the XML- and directory-based suite to instantly "mass customize" their B2B Web sites. These customers include Federal Express, B2B industry portal innovator FreeMarkets, IBM, Merrill Lynch, NetRatings (a Nielsen Media company), Nortel, Sabre and Thomson Financial Services.

Bowstreet's Web Automation Factory is the first product that uses Directory Services Markup Language (DSML), an emerging e-commerce standard pioneered by Bowstreet and supported by IBM, Microsoft, Novell, Oracle and the Sun/Netscape Alliance.

Sabre, the global leader in information technology for the travel and transportation industries, is working with the Bowstreet Web Automation Factory. "As we add functionality to our electronic travel distribution services, we need to meet ever-expanding needs for increased customization

for our customers and broader integration with our business partners," said Bob Offutt, vice president of Sabre Labs. "We think the Web Automation Factory is specifically designed to help us meet those needs."

The Bowstreet Web Automation Factory, based on patent-pending technology, eliminates what many industry observers believe to be the biggest obstacle to the adoption of B2B e-commerce: the challenge of creating, maintaining and linking Web sites that provide many tightly integrated B2B connections, each customized for the unique needs of a different partner or customer. With today's tools and technology, this process is prohibitively time consuming, complex and costly, often creating a large IT backlog for new B2B capabilities and stalling critical e-commerce initiatives. Developing and launching a traditional enterprise Web e-commerce site typically costs \$1 million, and the price tag is soaring by 25 percent per year, according to GartnerGroup of Stamford, Conn. (May 1999). Seventy-nine percent of that cost is labor-related.

In the first half of 2000, Bowstreet will launch the Bowstreet Web Services Marketplace, a central exchange on the Internet where companies can freely create, publish, capture and trade Web Services they can incorporate into their own custom B2B Web sites.

"The business-to-business e-commerce gold rush on the Internet is in full swing," said Bob Crowley, President and CEO of Bowstreet. "But while other companies are arming the prospectors with picks, we're handing out sticks of dynamite. Our Web Automation Factory, together with our Web Services Marketplace, represents a huge advance over first-generation Internet technology and business models. It creates a whole new infrastructure and community for business-to-business on the Web."

The Web Automation Factory's long-awaited announcement comes 16 months after former Tivoli CEO and Chairman Frank Moss co-founded Bowstreet to change the rules for how companies will win on the Web, and six months after the unveiling of Bowstreet's Web Services Architecture.

Moving B2B from hand coding to automated mass customization

The Bowstreet Web Automation Factory overcomes the customization bottleneck enabling business managers and other non-technical users to customize Web sites for thousands of customers and partners, while IT professionals manage security and control. As a result, organizations can produce multiple B2B Web sites at a fraction of the cost of today's approaches, and in minutes instead of months.

Today customers are hand-coding monolithic, hard-wired Web applications every time a new B2B business process or new Web site is needed for a business partner. The Bowstreet Web Automation Factory replaces these cumbersome methods and allows them to build "digital factories" that capture and **automate** the Web development process.

These digital factories **build** customized B2B **Web sites** on the fly by **dynamically** assembling loosely coupled software components known as Web services, which encapsulate content, data and business processes from either legacy systems or the Web. These Web services are published to corporate directories as **XML** metadata by IT professionals, along with automation **templates** which capture the "recipe" of how these services may be combined to create B2B Web sites.

Line-of-business people, such as sales channel managers, employ a very easy-to-use tool which creates profiles that customize the B2B Web site to meet the needs of each business partner or customer. The profiles can be changed in a matter of moments at the click of a mouse as existing B2B relationships change or new ones are required.

The Bowstreet Web Automation Factory will enable a large insurance company, for example, to **automatically create** customized **Web sites** for every one of its independent insurance agents. Each agent would have a dynamic view of the products they are licensed to sell, their commission structures, their state's pricing regulations and more. If a pricing regulation changes, a manager could implement the change across thousands of Web sites with the click of a mouse. Agents could instantly obtain up-to-date price quotes for their customers.

"Organizations are expending enormous amounts of human and financial capital rolling out business-to-business e-commerce Web sites," said Matt Cain, vice president of META Group, Stamford, Conn. "The Bowstreet Web Automation Factory automates the Web development process, making it far easier for companies to build highly customized Web sites for multiple partners."

## Targeting Major Players in B2B e-commerce

Fortune 1000 companies are using the Web Automation Factory to dramatically speed their transition of sales and distribution to the Web. Business-to-business Internet trading portals are using the Bowstreet Web Automation Factory to provide customized sites and business processes to buyers and sellers across numerous vertical markets. Application service providers (ASPs) need the Web Automation Factory to customize the applications they host for customers instead of simply providing cookie-cutter applications in smaller pieces.

### How it works

The Bowstreet Web Automation Factory's four core components are:

--Publisher(TM) is used by IT professionals to create and publish business processes in XML as a directory of Web services, thereby making them available for use by other businesses.

--Automator(TM) is used by IT professionals to create **templates** that enable customized functionality and processes to be built into **Web sites**. In contrast to explicit programming, loosely coupled "Builders" within the **template** automate the calls to the various processes and data at run time.

--Customizer(TM) is a browser-based system that is used by line-of-business managers to create and manage user profiles that drive the behavior of the Web site or application. The Customizer allows line-of-business people to create a customized Web experience for each and every partner.

--The Bowstreet Web Automation Engine(TM) is the heart of the Factory. It manages all metadata in corporate directories and generates customized Web sites on the fly at run-time based on the user profile. The Web Automation Engine supports DSML connections to all major directories including those from IBM, Microsoft, Novell, Oracle, and Sun/Netscape.

In addition to the core product components, companies can purchase Bowstreet service suites to speed development to even faster rates and the highest levels of trouble-free server performance.

--The Management Suite includes features for reporting, failover, restart, and application management.

--The Advanced Development Suite includes functionality for developing Web sites, including quality assurance, version control, code tracking and Builders, which automate the construction of code.

Bowstreet Web Automation Factory fuels Web Services Revolution

The Bowstreet Web Automation Factory is the first tangible contribution to computing's fourth epoch, the Web Services Revolution, in which readily available Web-resident software components will execute business processes for users. The New York Times on Sept. 14 heralded the dawn of this revolution, saying, "Software is increasingly becoming a Web-based service whose main goal is to hasten the spread of electronic commerce over the Internet."

In the Web Services Revolution, software development as we know it will change. Increasingly, the Internet will host a new breed of platform-neutral units of functionality that will find users and machines that need them and execute important business processes. Examples of these Web services include shipping an overnight order, getting product information, preparing lease terms, credit card payment, checking a map, querying inventory, billing, micropayments, translation and more. Today, the only way to extend such services to customers and partners is slow, expensive custom-coded applications, which often can't work across the Internet.

### Packaging, pricing and availability

The Bowstreet Web Automation Factory 1.0 has been shipping to customers since September 1999. It is currently available through Bowstreet's direct sales force and soon will be available through selected systems integrators. The product is sold on a subscription or perpetual license basis starting at around \$250,000. Bowstreet also offers professional services to assist companies in developing, deploying and managing large Web programs.

JumpStart Edition of the Web Automation Factory available for free

Bowstreet is giving away a version of the product, called the JumpStart Edition, to qualified businesses and software professionals at no cost. The JumpStart Edition will enable these users to create custom Web sites and publish Web services for a small number of partners on the Web.

## System Requirements

The Bowstreet Web Automation Factory runs on the Sun Solaris and Microsoft Windows NT server operating systems. It requires one of these directory services: Netscape Directory Server, IBM SecureWay or Novell NDS. The Bowstreet Web Automation Factory will also be available for Microsoft Active Directory and Oracle Directory Server.

## About Bowstreet

Bowstreet, the leader in mass customization of business-to-business e-commerce, is eradicating the major bottleneck to the adoption of e-commerce by dramatically reducing the enormous cost and complexity of building, managing and linking B2B Web sites. Founded in January 1998, Bowstreet was ranked as one of the top e-commerce start-ups in the country at the recent Enterprise Outlook Conference, and has raised \$27.6 million from five leading venture capital firms: Charles River Ventures, Integral Capital Partners, Kleiner Perkins Caufield & Byers, Matrix Partners and Pequot Capital Management. For more information, visit [www.bowstreet.com](http://www.bowstreet.com) or call 603.436.9100.

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PUBLISHER NAME: Business Wire

COMPANY NAMES: \*Bowstreet Software Inc.

PRODUCT NAMES: \*7372640 (Electronic Commerce Software)

INDUSTRY NAMES: BUS (Business, General); BUSN (Any type of business)

SIC CODES: 7372 (Prepackaged software)

NAICS CODES: 51121 (Software Publishers)

27/9/26 (Item 2 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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07119227 Supplier Number: 60141855 (THIS IS THE FULLTEXT)

**Bowstreet upgrades software. (Bowstreet Business Web Factory 2.0)**

Marsan, Carolyn Duffy

Network World, pNA

March 13, 2000

ISSN: 0887-7661

Language: English Record Type: Fulltext

Document Type: Tabloid; Trade

Word Count: 567

TEXT:

Users looking to develop business-to-business e-commerce Web sites may be interested in two new products Bowstreet will announce next week. <p>

The start-up in Portsmouth, N.H., is upgrading its flagship product, Bowstreet Business Web Factory 2.0, with enhanced performance, support for Linux and a new name. The software, previously known as Bowstreet Business Automation Factory, automates the development of business-to-business Web sites, allowing business executives, rather than IT specialists, to update and customize sites for partners and customers. The software relies on an automation engine that assembles Web sites using XML-based user profiles, templates and software components stored in a directory. Available in the second quarter, Version 2.0 will cost around \$250,000. <p>

E-commerce industry analyst Judith Hurwitz applauds the flexibility of Bowstreet's software. "The software is designed to understand the lack of permanence in business. Today's partner may or may not be around tomorrow," she says. "In your infrastructure, you need to be prepared to adapt quickly. That's what I like about their architecture." <p>

The flexibility of Business Web Factory is what attracted eFrames.com, a San Francisco Web site that offers digital photography services and sells framed prints. EFrames bought the Bowstreet software a month ago, and the company's technical staff is now rewriting their site to use it. The software was selected because it speeds the process of building online links between eFrames and associated sites such as ecircles.com, photoworks.com and zing.com. <p>

"We can hire HTML programmers to redo our site every time we add a different partner, or we can use this software that allows us to do it automatically," eFrames CEO Brian Dunham explains. "We plan to have hundreds of partners. . . . We really need something that's scalable. Once



you have the templates built, it's a no-brainer to add another partner."  
<p>

Also in the second quarter, Bowstreet will launch its Business Web Exchange, an online community for companies offering Web services based on Bowstreet's technology. The exchange will feature a free version of Bowstreet's Marketplace Edition software that supports up to 10 users as well as moderated forums for business-to-business Web site developers. The company already has signed up 20 Web service publishers to offer their wares on the exchange, but officials plan to eventually have hundreds of publishers listed. <p>

"With the Business Web Exchange, companies can take their core competencies and put them in a box so that other businesses can find them," explains Steve Chazin, senior product marketing manager at Bowstreet. Examples of services that companies might want to offer on the site include package tracking, insurance quotes and mortgage loan rates, he adds. <p>

The exchange is "a great Trojan horse," Hurwitz says. "In these days, where it's hard to get the attention of the marketplace, companies are finding that being able to give somebody a taste test of your product's features is a good way to allow people to understand what you're doing."  
<p>

Meanwhile, Bowstreet added several strategic partners, including Interwoven for content management, Netegrity for security and Vitria for enterprise application integration. Last fall, Bowstreet announced support from IBM, Microsoft, Netscape, Sun, Oracle and Novell for its efforts to develop a standard Directory Services Markup Language for e-commerce sites.  
<p>

Two-year-old Bowstreet has raised \$90 million in three rounds of venture capital investments. The firm is led by Frank Moss, former CEO of Tivoli.

File 347:JAPIO Nov 1976-2004/Oct(Updated 050208)

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File 350:Derwent WPIX 1963-2005/UD,UM &UP=200509

(c) 2005 Thomson Derwent

Set	Items	Description
S1	20486	WEBSITE? ? OR WEBPAGE? ? OR (WEB OR INTERNET) (1W) (SITE? ? - OR PAGE? ?)
S2	3874	S1(5N) (BUILD??? OR CONSTRUCT? OR ESTABLISH? OR GENERAT? OR CREAT???? OR FASHION? OR FORM?? OR FORMING OR FORMATION? ? OR PRODUC????? OR DEVELOP? OR DESIGN???)
S3	446	S2(10N) (AUTOMAT? OR DYNAMIC? OR INTERACT? OR WIZARD)
S4	249445	TEMPLATE? ? OR STYLESHEET? ? OR STYLE() SHEET? ? OR OUTLINE? ? OR MODEL? ? OR LAYOUT? ?
S5	954	S4(5N) (PRESET? OR PREESTABLISH? OR PREDEFIN? OR PREARRANGED OR PREBUILT OR PREPACKAGED OR PREDESIGNED OR (PREVIOUSLY OR - PRE) () (SET???? OR ESTABLISH? OR DEFIN? OR ARRANGED OR BUILT OR PACKAGED OR DESIGNED) OR ALREADY() BUILT)
S6	5	S4(5N) (PRECONFIGURED OR (PREVIOUSLY OR PRE) () CONFIGURED)
S7	2986	XML OR (EXTENSIBLE OR XTENSIBLE OR EXTENDED) () (MARKUP OR M-ARK() UP) () LANGUAGE? ?
S8	83	S2 AND S7
S9	13	S8 AND S3
S10	25	S8 AND S4
S11	1	S8 AND S5:S6
S12	128	(TYPE OR KIND OR CATEGORY OR CLASS OR CLASSES) (5N) (WEBSITE? ? OR (WEB OR INTERNET) () SITE? ?)
S13	1313	(TYPE OR KIND OR CATEGORY OR CLASS OR CLASSES) (5N) (PAGE? ? OR WEBPAGE? ?)
S14	0	S8 AND S12:S13
S15	34	S9:S11
S16	19	S15 AND AC=US/PR
S17	11	S16 AND AY=(1970:2000)/PR
S18	1	S15 AND PY=1970:2000
S19	11	S17:S18
S20	23	S15 AND AC=US
S21	11	S20 AND AY=(1970:2000)
S22	0	S21 NOT S19
S23	80	S3 AND S4
S24	2	S3 AND S5:S6
S25	78	S23 NOT S24
S26	76	S23 NOT S15
S27	46	S26 AND AC=US/PR
S28	26	S27 AND AY=(1970:2000)/PR
S29	10	S26 AND PY=1970:2000
S30	29	S28:S29

19/5/1 (Item 1 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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016157595 \*\*Image available\*\*  
WPI Acc No: 2004-315482/200429  
Related WPI Acc No: 1999-479517; 2001-596100; 2004-295746  
XRPX Acc No: N04-251408

**Workflow controlling method for web site development , involves combining user input with workflow template file to form job specification in memory, according to which job is performed**  
Patent Assignee: INTERWOVEN INC (INTE-N); COCHRANE K (COCH-I); PARK B H (PARK-I)

Inventor: COCHRANE K; PARK B H; BRADSHAW R; CUAN B; HEDGE G; KOH J; PARK B  
Number of Countries: 092 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200188757	A1	20011122	WO 2000US32540	A	20001129	200429 B
US 20010039594	A1	20011108	US 99244333	A	19990203	200429
			US 99168156	P	19991129	
			US 2000727127	A	20001129	
AU 200119338	A	20011126	AU 200119338	A	20001129	200429
EP 1234257	A1	20020828	EP 2000982283	A	20001129	200429
			WO 2000US32540	A	20001129	
JP 2004501436	W	20040115	WO 2000US32540	A	20001129	200429
			JP 2001585081	A	20001129	

Priority Applications (No Type Date): US 99168156 P 19991129; US 99244333 A 19990203; US 2000727127 A 20001129

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200188757 A1 E 30 G06F-017/30

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

US 20010039594 A1 G06F-015/163 CIP of application US 99244333

Provisional application US 99168156

AU 200119338 A G06F-017/30 Based on patent WO 200188757

EP 1234257 A1 E G06F-017/30 Based on patent WO 200188757

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

JP 2004501436 W 48 G06F-017/60 Based on patent WO 200188757

Abstract (Basic): WO 200188757 A1

NOVELTY - A workflow **template** having rules constraining work to progress is selected from a memory according to predetermined task. A workflow form is created and filled out based on the workflow **template** and user input respectively. The user input is combined with workflow **template** file e.g. **extensible markup language (XML)** file to form a job specification in the memory, according to which a job is performed.

USE - For controlling workflow for **web site development** and maintenance in software configuration management system, document management system, company's information systems department, company's marketing department and database publishing system.

ADVANTAGE - The work is progressed in predictable and orderly fashion so that the task are assigned in accordance with the workflow to enable the webmaster to have increased control over the **web site development** process.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the computer network system for **web site development**.

pp; 30 DwgNo 1/8

Title Terms: CONTROL; METHOD; WEB; SITE; DEVELOP; COMBINATION; USER; INPUT; **TEMPLATE** ; FILE; FORM; JOB; SPECIFICATION; MEMORY; ACCORD; JOB; PERFORMANCE

Derwent Class: T01  
International Patent Class (Main): G06F-015/163; G06F-017/30; G06F-017/60  
File Segment: EPI

19/5/2 (Item 2 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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014835529 \*\*Image available\*\*  
WPI Acc No: 2002-656235/200270  
XRPX Acc No: N02-518694

**Web access provision method for electronic business system, involves generating web applications from interfaces of CORBA compliant program automatically, for invoking those interfaces**

Patent Assignee: GRANT H A (GRAN-I)  
Inventor: GRANT H A  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020099738	A1	20020725	US 2000252483	A	20001122	200270 B
			US 2001990540	A	20011121	

Priority Applications (No Type Date): US 2000252483 P 20001122; US 2001990540 A 20011121

Patent Details:  
Patent No Kind Lan Pg Main IPC Filing Notes  
US 20020099738 A1 38 G06F-015/00 Provisional application US 2000252483

Abstract (Basic): US 20020099738 A1

NOVELTY - Web applications are automatically generated from interface descriptions (320) of CORBA compliant programs. A web application is transmitted to a client on request, and an interface is invoked on receiving an indication from the client to invoke the interface. A response web application is transmitted to the client based on a result received from the program in response to invoking the interface.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) Data transformation method;
- (2) Simple object access protocol (SOAP) interactivity integration method;
- (3) Remote program invocation method;
- (4) Remote program invocation response display method;
- (5) **Extensible markup language (XML)** message processing system; and
- (6) Remote program invocation conversion program.

USE - For providing web access to remote program for electronic business system exposing server side applications to customers, partners, suppliers, and employees through internet technologies such as **extensible markup language (XML)** and hypertext markup language (HTML) by automatically generating web applications.

ADVANTAGE - Allows developers of enterprise applications to maintain and further customize their applications in a familiar web environment, without having to learn advanced web application programming. The **automatically generated web pages** while operational, can be modified to better reflect an application design by a web designer, eliminating the need for having knowledge of back end program to perform such modifications.

DESCRIPTION OF DRAWING(S) - The figure shows a schematic illustration of interaction between components used for providing web access.

Interface descriptions (320)  
pp; 38 DwgNo 3/15

Title Terms: WEB; ACCESS; PROVISION; METHOD; ELECTRONIC; BUSINESS; SYSTEM; GENERATE; WEB; APPLY; INTERFACE; COMPLIANT; PROGRAM; AUTOMATIC; INVOKE; INTERFACE

Derwent Class: T01

International Patent Class (Main): G06F-015/00  
File Segment: EPI

19/5/3 (Item 3 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014584394 \*\*Image available\*\*  
WPI Acc No: 2002-405098/200243  
XRPX Acc No: N02-318011

Custom content generation tag conversion system for web page  
developer , comprises conversion engine for converting tags without  
interpreting them into output interpretable by web browser

Patent Assignee: I2 TECHNOLOGIES INC (ITWO-N)

Inventor: MASON L P

Number of Countries: 096 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200227511	A1	20020404	WO 2001US30462	A	20010928	200243 B
AU 200193174	A	20020408	AU 200193174	A	20010928	200252
DE 10196699	T	20030828	DE 1096699	A	20010928	200357
			WO 2001US30462	A	20010928	

Priority Applications (No Type Date): US 2000675780 A 20000928

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200227511 A1 E 32 G06F-013/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ  
PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200193174 A G06F-013/00 Based on patent WO 200227511

DE 10196699 T G06F-013/00 Based on patent WO 200227511

Abstract (Basic): WO 200227511 A1

NOVELTY - A web server (20) receives a request from the web browser  
(12) for identifying a file comprising tags that are not interpretable  
by the browser. A conversion engine (34) receives and converts tags  
without interpreting them into an output interpretable by the web  
browser. The output comprises code selected from the group consisting  
of HTML, XML and WML codes.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the  
following:

(a) Tag converting method;

(b) Tag conversion program

USE - For web page developers for converting custom tags into  
a format processable by web page hosting technologies.

ADVANTAGE - The use of tags allow modification of appearance and  
formatting of content produced by the tags without actually modifying  
the logic generating the content. Individuals can use extensive custom  
tag libraries to easily generate dynamic content on their web  
pages .

DESCRIPTION OF DRAWING(S) - The figure shows an exemplary system  
for converting custom tags in a web page.

Web browser (12)

Web server (20)

Conversion engine (34)

pp; 32 DwgNo 1/7

Title Terms: CUSTOM; CONTENT; GENERATE; TAG; CONVERT; SYSTEM; WEB; PAGE;  
DEVELOP; COMPRISE; CONVERT; ENGINE; CONVERT; TAG; INTERPRETATION; OUTPUT;  
WEB

Derwent Class: T01

International Patent Class (Main): G06F-013/00

International Patent Class (Additional): G06F-013/38; G06F-015/00;

G06F-015/16; G06F-015/177; G06F-017/00

File Segment: EPI

19/5/4 (Item 4 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014318190 \*\*Image available\*\*  
WPI Acc No: 2002-138892/200218  
XRPX Acc No: N02-104638

**Document acquisition request servicing method e.g. for web pages ,  
involves dynamically generating content blocks and storing copy of  
blocks in memory, in response to request for document**  
Patent Assignee: AGRAWAL A (AGRA-I); LOWENTHAL L B (LOWE-I); VENKETARAMANI  
R (VENK-I)

Inventor: AGRAWAL A; LOWENTHAL L B; VENKETARAMANI R  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020004813	A1	20020110	US 2000187925	P	20000308	200218 B
			US 2001800115	A	20010305	

Priority Applications (No Type Date): US 2000187925 P 20000308; US  
2001800115 A 20010305

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20020004813	A1	17	G06F-015/16	Provisional application US 2000187925

Abstract (Basic): US 20020004813 A

NOVELTY - A request for a document that includes a script defining several blocks, is received. At least one block that includes a reference to a data source, and a code that is adapted to access a data source, and to format the accessed data, is retrieved from a memory. Alternately, when the blocks are not stored in memory, the blocks are dynamically generated and copied in the memory.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Computer system for servicing a request for a document;
- (b) Machine-readable medium storing data representing instructions for servicing a request for a document

USE - For servicing a request for documents such as SQL, XSQL, XML, HTML or DHTML documents, web pages published in e-commerce web sites or multi-media web sites and portals.

ADVANTAGE - The requests for dynamic contents are efficiently cached by dynamically caching the contents at least partially. Hence, the cached contents are efficiently provided in response to requests from other users also, thereby decreasing the amount of codes for each request.

DESCRIPTION OF DRAWING(S) - The figure shows a syntax for defining caching properties.

Dwg.4/7

Title Terms: DOCUMENT; ACQUIRE; REQUEST; SERVICE; METHOD; WEB; PAGE;  
DYNAMIC; GENERATE; CONTENT; BLOCK; STORAGE; COPY; BLOCK; MEMORY; RESPOND;  
REQUEST; DOCUMENT

Derwent Class: T01

International Patent Class (Main): G06F-015/16

File Segment: EPI

19/5/5 (Item 5 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014301628 \*\*Image available\*\*  
WPI Acc No: 2002-122332/200216  
XRPX Acc No: N02-091753

**Automatically publishing Web data in final format by decomposing data  
into objects for recognition of data structural layout properties**  
Patent Assignee: OLIVE SOFTWARE INC (OLIV-N)

Inventor: SHTEINVIL E; STERN Y P

Number of Countries: 096 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200198948	A2	20011227	WO 2001US14858	A	20010615	200216 B
AU 200166569	A	20020102	AU 200166569	A	20010615	200230
EP 1295245	A2	20030326	EP 2001944128	A	20010615	200323
			WO 2001US14858	A	20010615	
US 20030200507	A1	20031023	US 2000211976	P	20000616	200370
			US 2000714207	A	20001117	
			US 2003449059	A	20030602	
EP 1484697	A2	20041208	EP 200476587	A	20040528	200480 N

Priority Applications (No Type Date): US 2000714207 A 20001117; US 2000211976 P 20000616; US 2003449059 A 20030602; EP 200476587 A 20040528

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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WO 200198948	A2	E	21 G06F-017/30	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200166569	A			Based on patent WO 200198948
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EP 1295245	A2	E	G06K-009/20	Based on patent WO 200198948
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

US 20030200507	A1		G06F-015/00	Provisional application US 2000211976
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CIP of application US 2000714207

EP 1484697	A2	E	G06F-017/30	
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Designated States (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IT LI LT LU LV MC MK NL PL PT RO SE SI SK TR

Abstract (Basic): WO 200198948 A2

NOVELTY - Method consists in analyzing the data to decompose it into objects by preparing a list of text or graphic elements for each, determining their properties and recognizing data structural **layout** properties, converting them into an internal publication format (mark-up language) and rendering it in the final format according to the hardware device type.

DETAILED DESCRIPTION - There is an INDEPENDENT CLAIM for a system for automatically publishing data in a computerized format.

USE - Method is for automatically publishing data through Web pages.

ADVANTAGE - Method enables **automatic** conversion of data to a **format** suitable for publication as a **Web page** using e.g. **XML**.

DESCRIPTION OF DRAWING(S) - The figure shows a system for automatically publishing Web data.

pp; 21 DwgNo 1/3

Title Terms: AUTOMATIC; PUBLICATION; WEB; DATA; FINAL; FORMAT; DECOMPOSE; DATA; OBJECT; RECOGNISE; DATA; STRUCTURE; **LAYOUT**; PROPERTIES

Derwent Class: T01

International Patent Class (Main): G06F-015/00; G06F-017/30; G06K-009/20

File Segment: EPI

19/5/6 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014235079 \*\*Image available\*\*

WPI Acc No: 2002-055777/200207

IRPX Acc No: N02-041058

Processing apparatus for information source e.g. HTML web page , generates and processes data structure representing hierarchical structure of elements to retrieve predetermined elements from information

**source**

Patent Assignee: 2ROAM INC (TWOR-N)  
Inventor: ALADJOFF I; HOHMAN M S; KEATING B M; KEATING J; SULLIVAN J  
Number of Countries: 022 Number of Patents: 003  
Patent Family:  
Patent No Kind Date Applicat No Kind Date Week  
WO 200190873 A1 20011129 WO 2001US16576 A 20010522 200207 B  
JP 2002024227 A 20020125 JP 2001153006 A 20010522 200211  
AU 200164810 A 20011203 AU 200164810 A 20010522 200221

Priority Applications (No Type Date): US 2000576703 A 20000522

**Patent Details:**

Patent No Kind Lan Pg Main IPC Filing Notes  
WO 200190873 A1 E 95 G06F-003/00  
Designated States (National): AU KR  
Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU  
MC NL PT SE TR  
JP 2002024227 A 39 G06F-017/30  
AU 200164810 A G06F-003/00 Based on patent WO 200190873

Abstract (Basic): WO 200190873 A1

NOVELTY - A wireless web page delivery portion (15) retrieves an information source and extracts multiple elements consisting of contents within the source. A data structure representing hierarchical structure of the elements is generated and processed, to retrieve predetermined elements from the information source.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Information source processing method;
- (b) Graphical user interface;
- (c) **Web page** hierarchical representation **generation** method;
- (d) Web page processing method

USE - For processing information source such as hypertext markup language (HTML) web page, extensive markup language ( **XML** ) document, ICE document. For re-purposing a HTML web page for distribution of contents to wireless devices such as cellular phones, palm devices, pagers, etc.

ADVANTAGE - Avoids the need for the page designer to continuously recreate new pages as the **dynamic web page** changes, by automatically **generating** a new page having different format or contents based on the original information source.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the wireless **web page generation** system.

Wireless page delivery portion (15)  
pp; 95 DwgNo 2/32

Title Terms: PROCESS; APPARATUS; INFORMATION; SOURCE; WEB; PAGE; GENERATE;  
PROCESS; DATA; STRUCTURE; REPRESENT; HIERARCHY; STRUCTURE; ELEMENT;  
RETRIEVAL; PREDETERMINED; ELEMENT; INFORMATION; SOURCE

Derwent Class: T01

International Patent Class (Main): G06F-003/00; G06F-017/30

International Patent Class (Additional): G06F-012/00; G06F-013/00

File Segment: EPI

19/5/7 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014127031

WPI Acc No: 2001-611241/200170

XRPX Acc No: N01-456287

**Method of publishing a document optimized for the user's capabilities by receiving a request for content and associated client capability data and selecting and merging an XSL stylesheet and XML document**

Patent Assignee: SUN MICROSYSTEMS INC (SUNM ); FUNK M S (FUNK-I); MARMY H (MARM-I); MCCARTNEY A F (MCCA-I); MERCAY J (MERC-I)

Inventor: FUNK M S; MARMY H; MCCARTNEY A F; MERCAY J

Number of Countries: 095 Number of Patents: 004



Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200163481	A2	20010830	WO 2001US4676	A	20010212	200170 B
AU 200136987	A	20010903	AU 200136987	A	20010212	200202
US 20020010716	A1	20020124	US 2000184812	P	20000224	200210
			US 2001772038	A	20010129	
EP 1290580	A2	20030312	EP 2001909207	A	20010212	200320
			WO 2001US4676	A	20010212	

Priority Applications (No Type Date): US 2001772038 A 20010129; US 2000184812 P 20000224

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200163481	A2	E	20	G06F-017/30	
Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW					
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW					
AU 200136987	A			G06F-017/30	Based on patent WO 200163481
US 20020010716	A1			G06F-017/21	Provisional application US 2000184812
EP 1290580	A2	E		G06F-017/30	Based on patent WO 200163481
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR					

Abstract (Basic): WO 200163481 A2

NOVELTY - A client request may be for a web page. XSL **stylesheets** are prepared for different types of client with different system capabilities and are used in response to a client request to **format** the requested **web page** appropriately. The selected **stylesheet** is merged with an **XML** content document that is associated with the requested document and the merged document is transmitted to the client as an **XML** compliant document, e.g. such as an XHTML document.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for a publishing system.

USE - Customizing web pages.

ADVANTAGE - Simple and automatic customization.

pp; 20 DwgNo 0/7

Title Terms: METHOD; PUBLICATION; DOCUMENT; OPTIMUM; USER; CAPABLE; RECEIVE; REQUEST; CONTENT; ASSOCIATE; CLIENT; CAPABLE; DATA; SELECT; MERGE; DOCUMENT

Derwent Class: T01

International Patent Class (Main): G06F-017/21; G06F-017/30

File Segment: EPI

19/5/8 (Item 8 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014088977 \*\*Image available\*\*

WPI Acc No: 2001-573191/200165

XRPX Acc No: N01-427382

**Web page serving method involves processing file into extensible markup language code which is translated into document object model representation with one or more custom tags**

Patent Assignee: INT BUSINESS MACHINES CORP (IBM )

Inventor: CLAUSSEN C S; CONNER M H; MCCLAIN M D; ZUMBRUNNEN B C

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2359157	A	20010815	GB 200022534	A	20000914	200165 B

Priority Applications (No Type Date): US 99409598 A 19990930

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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Abstract (Basic): GB 2359157 A

NOVELTY - A given file is parsed into **extensible markup language (XML)** compliant code, which is translated into a document object **model (DOM)** representation comprising one or more custom tags. The DOM representation is processed to generate executable code, which is invoked to **generate the web page**.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Computer program product;
- (b) Server

USE - For serving web page content during internet content publishing.

ADVANTAGE - Enables several web page authors to support multiple scripting languages in a single web page. Economical to implement in a run time, as the languages are easily defined in Java byte code.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart explaining servlet generation routine.

pp; 54 DwgNo 2/11

Title Terms: WEB; PAGE; SERVE; METHOD; PROCESS; FILE; EXTEND; LANGUAGE; CODE; TRANSLATION; DOCUMENT; OBJECT; **MODEL** ; REPRESENT; ONE; MORE; CUSTOM; TAG

Derwent Class: T01

International Patent Class (Main): G06F-017/30

International Patent Class (Additional): G06F-009/45; G06F-017/21

File Segment: EPI

19/5/9 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014014367 \*\*Image available\*\*

WPI Acc No: 2001-498581/200155

XRPX Acc No: N01-369545

**Multi-scripting language supporting method in web page compilation, involves examining document object mode to locate nodes that identify specific scripting language code block**

Patent Assignee: INT BUSINESS MACHINES CORP (IBM )

Inventor: CLAUSSEN C S; CONNER M H; MCCLAIN M D; ZUMBRUNNEN B C

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2357864	A	20010704	GB 200020153	A	20000817	200155 B
US 6732330	B1	20040504	US 99409372	A	19990930	200430

Priority Applications (No Type Date): US 99409372 A 19990930

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
GB 2357864	A	49	G06F-017/30	
US 6732330	B1		G06F-015/00	

US 6732330 B1 G06F-015/00

Abstract (Basic): GB 2357864 A

NOVELTY - The start and end of each scripting language code block corresponding to a web page are marked. The web page is compiled into **extensible markup language (XML)** document object **model (DOM)** to locate nodes that identify a specific code block. The DOM is adjusted to account for script code within the identified block.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Web page;
- (b) Web page compilation method;
- (c) Computer program **product** for **web page** compilation

USE - For supporting multi-scripting language in single web page for compiling web page into **extensible markup language (XML)** document object **model (DOM)** in client-server environment.

ADVANTAGE - Eases code handling, thereby reducing number of errors.

Enables immediately checking the codes for language syntax error.

DESCRIPTION OF DRAWING(S) - The figure shows the client-server environment in which web page compilation method is implemented.

pp; 49 DwgNo 1/11

Title Terms: MULTI; LANGUAGE; SUPPORT; METHOD; WEB; PAGE; COMPILE; DOCUMENT  
; OBJECT; MODE; LOCATE; NODE; IDENTIFY; SPECIFIC; LANGUAGE; CODE; BLOCK

Derwent Class: T01

International Patent Class (Main): G06F-015/00; G06F-017/30

File Segment: EPI

19/5/10 (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013897096 \*\*Image available\*\*

WPI Acc No: 2001-381309/200140

XRPX Acc No: N01-279595

**Publishing method for web page content in accordance with a predetermined template using a web page content publisher for inserting predetermined template information into the content file**

Patent Assignee: SUN MICROSYSTEMS INC (SUNM )

Inventor: FUNK M S; GREGORY M D; PRICE J A

Number of Countries: 093 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200139020	A2	20010531	WO 2000US32215	A	20001122	200140 B
AU 200120474	A	20010604	AU 200120474	A	20001122	200153

Priority Applications (No Type Date): US 99448674 A 19991124

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200139020 A2 E 42 G06F-017/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP  
KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT  
RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200120474 A G06F-017/00 Based on patent WO 200139020

Abstract (Basic): WO 200139020 A2

NOVELTY - The method involves **creating** a content file. A **web page** content publisher is initialized for inserting predetermined **template** information into the content file. Publication of the content file is requested by the web page content publisher. Finally the content file is published in a web viewable format in accordance with the predetermined **template**.

The step of creating a content file is carried out by manually providing mark-up language computer program code. The mark-up language computer program code is selected from HTML, **XML** and SGML.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for a computer program product.

USE - For publishing **web page** content with predetermined **format** and features.

ADVANTAGE - Greatly facilitates combination of individual user web content within context of existing **template** of particular utility. Provides standard look and feel' to related websites.

DESCRIPTION OF DRAWING(S) - The figure shows a network computing system and operating environment for implementing a system and method of the invention.

pp; 42 DwgNo 1/12

Title Terms: PUBLICATION; METHOD; WEB; PAGE; CONTENT; ACCORD; PREDETERMINED  
; **TEMPLATE** ; WEB; PAGE; CONTENT; INSERT; PREDETERMINED; **TEMPLATE** ;

INFORMATION; CONTENT; FILE

Derwent Class: T01

International Patent Class (Main): G06F-017/00

File Segment: EPI

19/5/11 (Item 11 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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012866632 \*\*Image available\*\*  
WPI Acc No: 2000-038465/ 200003  
XRPX Acc No: N00-029043

Internet page description file generating method in digital imaging device

Patent Assignee: AIHARA T T (AIHA-I); FLASHPOINT TECHNOLOGIES INC (FLAS-N);  
FLASHPOINT TECHNOLOGY INC (FLAS-N)

Inventor: AIHARA T T; SOMERSTEIN R

Number of Countries: 084 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9953685	A1	19991021	WO 99US26	A	19990104	200003 B
AU 9921008	A	19991101	AU 9921008	A	19990104	200013
EP 1075760	A1	20010214	EP 99901269	A	19990104	200111
			WO 99US26	A	19990104	
US 6223190	B1	20010424	US 9859611	A	19980413	200125
JP 2002511717	W	20020416	WO 99US26	A	19990104	200242
			JP 2000544126	A	19990104	
EP 1075760	B1	20021113	EP 99901269	A	19990104	200282
			WO 99US26	A	19990104	
DE 69903936	E	20021219	DE 603936	A	19990104	200307
			EP 99901269	A	19990104	
			WO 99US26	A	19990104	

Priority Applications (No Type Date): US 9859611 A 19980413

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9953685 A1 E 51 H04N-005/225

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU  
CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC  
LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL  
TJ TM TR TT UA UG US UZ VN YU ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

AU 9921008 A Based on patent WO 9953685

EP 1075760 A1 E H04N-005/225 Based on patent WO 9953685

Designated States (Regional): DE FR GB

US 6223190 B1 G06F-017/21

JP 2002511717 W 44 H04N-005/225 Based on patent WO 9953685

EP 1075760 B1 E H04N-005/225 Based on patent WO 9953685

Designated States (Regional): DE FR GB

DE 69903936 E H04N-005/225 Based on patent EP 1075760

Based on patent WO 9953685

Abstract (Basic): WO 9953685 A1

NOVELTY - The digital imaging device (114) in camera (110) is provided with a set of program instructions which are executed to display interactive instructions on the screen (402). The display prompts the user to perform specific operations. The interactive instructions are updated corresponding to the specific operations to capture a series of images.

DETAILED DESCRIPTION - The captured images are processed and formatted corresponding to a predefined model, included in the instruction set displayed, to generate a hypertext markup language (HTML) file. An INDEPENDENT CLAIM is also included for Internet page description.

USE - In digital imaging device to generate Internet page description file such as HTML file, extensive markup language (XML) file, Java script.

ADVANTAGE - Enables to create complex text and image documents easily, hence formatted images that are intuitive and user friendly are produced. Digital camera keeps track of the users progress through the

program instructions and automatically updates the interactive instructions so that the user is guided through a series of related image captures to obtain a series of resulting images.

DESCRIPTION OF DRAWING(S) - The figure shows block diagrams of a digital camera and computer respectively.

Camera (110)

Digital imaging device (114)

Screen (402)

pp; 51 DwgNo 1,3/11

Title Terms: PAGE; DESCRIBE; FILE; GENERATE; METHOD; DIGITAL; IMAGE; DEVICE

Derwent Class: T01; W01; W02; W04

International Patent Class (Main): G06F-017/21; H04N-005/225

International Patent Class (Additional): H04N-005/00; H04N-101-00

File Segment: EPI

30/5/3 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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016098052 \*\*Image available\*\*

WPI Acc No: 2004-255928/200424

XRPX Acc No: N04-203380

Automated web site creation and access system has web access  
module for generating and presenting listings of all community of  
practice websites, in which access is provided to community of practice  
websites upon selection from listings

Patent Assignee: QWEST COMMUNICATIONS INT INC (QWES-N)

Inventor: KENYON J D

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6701343	B1	20040302	US 99452526	A	19991201	200424 B

Priority Applications (No Type Date): US 99452526 A 19991201

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6701343	B1		16	G06F-015/16	

Abstract (Basic): US 6701343 B1

NOVELTY - The system has a web access module for generating and presenting one or more listings of all the community of practice websites including status information for each of the community of practice websites. Access is provided to one or more of the community of practice websites upon selection from the listings.

DETAILED DESCRIPTION - A website generator enters the custom information into the **templates** included in a database to generate the community of practice websites, and stores the community of practice websites in another database. Each of the community **websites** is of standardized **format** including several **automatically** linked **web pages**. An interface, accessible over a data network, is configured to receive custom information for creating the community of practice websites. INDEPENDENT CLAIMS are included for the following:

- (a) Community of practice server; and
- (b) Creating and providing access to a community web site on a web-based server.

USE - For simplified generation of community practice web pages which are accessible and updateable by a number of parties.

ADVANTAGE - Enables system user to enter minimal amount of information to create a website which is accessible and updateable by other members of the community of practice. Constructs a website in such a manner that after a predetermined period of non-use, it may be placed in an archive until revived at a selected point in time. Provides a system that is connectable to the Internet, an intranet or extranet to provide functions such as creating, viewing or updating of websites. Configures a newly created website to provide for unlimited access over the network or security features may be employed to limit access.

DESCRIPTION OF DRAWING(S) - The figure shows the system diagram for the community of practice server.

pp; 16 DwgNo 1/10

Title Terms: AUTOMATIC; WEB; SITE; CREATION; ACCESS; SYSTEM; WEB; ACCESS;  
MODULE; GENERATE; PRESENT; COMMUNAL; PRACTICE; ACCESS; COMMUNAL; PRACTICE  
; SELECT

Derwent Class: T01

International Patent Class (Main): G06F-015/16

File Segment: EPI

30/5/7 (Item 6 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014697074 \*\*Image available\*\*

WPI Acc No: 2002-517778/200255  
Related WPI Acc No: 2003-312217  
XRPX Acc No: N02-409711

**Web Page on demand generation method for online publishing using page forms linked to page content**

Patent Assignee: FUTURETENSE INC (FUTU-N)  
Inventor: MELBIN J A  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6397217	B1	20020528	US 99262392	A	19990304	200255 B

Priority Applications (No Type Date): US 99262392 A 19990304

**Patent Details:**

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6397217	B1	15	G06F-017/30	

Abstract (Basic): US 6397217 B1

NOVELTY - The Netscape Application server (NAS) (22) receives a Uniform Resource Locator (URL) (48) from the Web server (12). This URL is mapped to a **template** or form framework to which the page content is linked. The NAS server retrieves the content from the Database (30), assembles the web page and transfers the document to the web server.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for  
(1) a method for generating pages in a distributed electronic publishing system.

(2) a method for generating and storing web pages by a set of catalogs.

(3) a system for generating and storing web pages.

(4) a computer program product for generating and storing web pages.

USE - For **producing dynamic web pages**.

ADVANTAGE - The page framework or form remains separate from the page content allowing custom page generation and making content maintenance easier. Various caching schemes can be implemented to speed up content retrieval.

DESCRIPTION OF DRAWING(S) - The drawing shows a block diagram of the distributed publishing system.

Web server (12)

Netscape Application Server (22)

Database (30)

Uniform Resource Locator (48)

pp; 15 DwgNo 1/7

Title Terms: WEB; PAGE; DEMAND; GENERATE; METHOD; PUBLICATION; PAGE; FORM; LINK; PAGE; CONTENT

Derwent Class: T01

International Patent Class (Main): G06F-017/30

International Patent Class (Additional): G06F-001/12; G06F-015/16

File Segment: EPI

**30/5/14 (Item 13 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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014178392 \*\*Image available\*\*

WPI Acc No: 2001-662620/200176

XRPX Acc No: N01-493677

**Automated Internet-based retail outlet website constructor uses selection criteria for merchandise selection, framework of website, website layout, merchandise matching selection criteria and merchandise information**

Patent Assignee: ISOGON CORP (ISOG-N)  
Inventor: BARRITZ R  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20010037258	A1	20011101	US 2000196043	P	20000410	200176 B

Priority Applications (No Type Date): US 2000196043 P 20000410; US  
2001829894 A 20010410

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
US 20010037258 A1 10 G06F-017/60 Provisional application US 2000196043  
Abstract (Basic): US 20010037258 A1

NOVELTY - Merchandise selection criteria and framework of a website are established, a website **layout** and features set-up are created, merchandise matching the selection criteria is selected based on merchandise made available by the vendors, and merchandise information is **automatically** downloaded from the vendors, by individual subsystems. A **website builder constructs** a functioning retail **website** based on the setup criteria and conditions.

USE - For **creating** Internet based retail outlet **website** **automatically** e.g. for apparel industry.

ADVANTAGE - Enables **creation** of retailer **websites** in a largely **automated** and structured manner and also allows easy modification and updating.

DESCRIPTION OF DRAWING(S) - The figure shows a computer screen print out depicting a screen for purchasing selection by category.

pp; 10 DwgNo 1/4

Title Terms: AUTOMATIC; BASED; RETAIL; OUTLET; CONSTRUCTION; SELECT; CRITERIA; MERCHANDISE; SELECT; FRAMEWORK; **LAYOUT** ; MERCHANDISE; MATCH; SELECT; CRITERIA; MERCHANDISE; INFORMATION

Derwent Class: T01

International Patent Class (Main): G06F-017/60

International Patent Class (Additional): G06F-015/00

File Segment: EPI

30/5/18 (Item 17 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013956660 \*\*Image available\*\*

WPI Acc No: 2001-440874/200147

XRPX Acc No: N01-326128

**Web site creation program for active server page applications e.g. Internet trading pages, uses template written in combination of hypertext and scripting languages**

Patent Assignee: MICROSOFT CORP (MICT )

Inventor: COHEN M A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6263352	B1	20010717	US 97970217	A	19971114	200147 B

Priority Applications (No Type Date): US 97970217 A 19971114

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
US 6263352 B1 13 G06F-017/21

Abstract (Basic): US 6263352 B1

NOVELTY - A user is guided through a set of questions by a builder wizard (46) to create the desired design of an active server page from a page **template**. The active server **templates** are written in a combination of hypertext and scripting languages. The wizard and page generator can be accessed over the Internet using a Web browser (54).

DETAILED DESCRIPTION - The active server **template** has two levels of scripting language denoted by delimiters. A page generator executes one level of the scripting language, denoted by the first delimiter, to produce at least one active server page containing a hypertext language and the other scripting level is denoted by the second delimiter.

INDEPENDENT CLAIMS are made for :

- (1) A **template** program.
- (2) A computer operating system containing a Web page generator to



convert an active server **template** to an active server page.

(3) A method of creating a Web site.

(4) A method to convert an active server **template** to an active server page.

USE - Creating Web sites for commerce on the Internet.

ADVANTAGE - User is guided through the **creation** of a **Web page** by a **wizard** so no need to employ an independent consultant.

DESCRIPTION OF DRAWING(S) - The figure represents an on-line commerce system using an Web page generator.

Store builder wizard (46)

Web browser (54)

pp; 13 DwgNo 3/5

Title Terms: WEB; SITE; CREATION; PROGRAM; ACTIVE; SERVE; PAGE; APPLY;

TRADE; PAGE; **TEMPLATE** ; WRITING; COMBINATION; LANGUAGE

Derwent Class: T01

International Patent Class (Main): G06F-017/21

International Patent Class (Additional): G06F-015/16

File Segment: EPI

30/5/20 (Item 19 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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013895876 \*\*Image available\*\*

WPI Acc No: 2001-380089/200140

Related WPI Acc No: 2000-585932; 2000-637028; 2000-655127; 2001-326720;

2001-482084; 2001-638163; 2001-662301; 2002-033241; 2002-081681;

2002-556193; 2002-705271; 2004-154025; 2004-246051

XRPX Acc No: N01-278582

**Web site creation tool in computer system, creates web site based on stored templates corresponding to desired features selected by user and automatically creates web site**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )

Inventor: BERNARDO R S; MACPHEE D A; SMITH J J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6185587	B1	20010206	US 9750153	P	19970619	200140 B
			US 9750154	P	19970619	
			US 98100225	A	19980619	

Priority Applications (No Type Date): US 98100225 A 19980619; US 9750153 P 19970619; US 9750154 P 19970619

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6185587	B1	43	G06F-017/21		Provisional application US 9750153
					Provisional application US 9750154

Abstract (Basic): US 6185587 B1

NOVELTY - The web site creator is prompted by the tool to select the desired features for creation of web site. Based on stored **templates** corresponding to selected features, web site is created. The tool copies the web site help documents relating to selected features and creates the help documents without requiring a site creator to create the help documents.

DETAILED DESCRIPTION - The tool has memory for storing library of **templates** corresponding to predefined features available in a web site. Another memory stores number of help documents each relating to one or more of available features. Each feature includes one or more options and the stored help documents include help documents relating to options. The library of **templates** includes **template** for creating help document. The help documents are stored as HTML files. An INDEPENDENT CLAIM is also included for creating web site having user specified features.

USE - For computer system used in e.g. Inter nets and Intranet for creating web site and for creating HTML formatted help documents for assisting use of created web site e.g. for product/service purchase.

ADVANTAGE - The software tool enables **creation** of **web sites** and **automatic creation** of HTML formatted help documents pertaining to use of the tool and use of web site created by the tool. Creates web site with context sensitive help functions using HTML **templates** to minimize or eliminate need for web site creator to know or use HTML to create web site or help documents.

DESCRIPTION OF DRAWING(S) - The figure shows the schematic flow diagram illustrating web site creation process.

pp; 43 DwgNo 3/28

Title Terms: WEB; SITE; CREATION; TOOL; COMPUTER; SYSTEM; WEB; SITE; BASED; STORAGE; **TEMPLATE**; CORRESPOND; FEATURE; SELECT; USER; AUTOMATIC; WEB; SITE

Derwent Class: T01

International Patent Class (Main): G06F-017/21

File Segment: EPI

30/5/21 (Item 20 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013831642 \*\*Image available\*\*

WPI Acc No: 2001-315854/ 200133

XRPX Acc No: N01-227054

**Website includes web page which is build by activating appropriate template and interpreting taglet HTML of template instances stored in database**

Patent Assignee: MAXIEM PTY LTD (MAXI-N); KCS AUSTRALIA PTY LTD (KCSA-N)

Inventor: WHITE T; WOLFE J

Number of Countries: 093 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200070511	A1	20001123	WO 2000AU468	A	20000518	200133 B
AU 200045250	A	20001205	AU 200045250	A	20000518	200133

Priority Applications (No Type Date): AU 99422 A 19990518

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200070511 A1 E 38 G06F-017/60

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW

AU 200045250 A G06F-017/60 Based on patent WO 200070511

Abstract (Basic): WO 200070511 A1

NOVELTY - Appropriate **template** stored in a database is activated, and taglet HTML is interpreted to request the **template** instances required to build the web page, when the page is requested by the user.

DETAILED DESCRIPTION - Several pages of website comprises logical parts containing display media content including piece of information, text, images, script or any other type digital media that are defined as content objects. The content objects are linked hierarchically using URLs which define the boundaries of content objects. Several **templates** are constructed using taglets which define content objects for defining individual elements of web application and the URL of each **template** instance consists of pointer to **templates**. An INDEPENDENT CLAIM is also included for website development system.

USE - For creation, maintenance and publishing of websites in WWW.

ADVANTAGE - The build-up of individual functional elements can be offered and customer support, catalog and commerce web pages can be published, desirably. Since the **web page** is **created** by reusable content objects stored in database, the **dynamic** assembly of **web page** is facilitated and application **development** time is reduced. The stored content objects are ideally suited for assisting user navigation. The creation of personalized web page is facilitated to the

user.

DESCRIPTION OF DRAWING(S) - The figure shows schematic view of web page development system.

pp; 38 DwgNo 1/16

Title Terms: WEB; PAGE; BUILD; ACTIVATE; APPROPRIATE; **TEMPLATE** ;

INTERPRETATION; **TEMPLATE** ; INSTANCE; STORAGE; DATABASE

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

30/5/22 (Item 21 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013808309

WPI Acc No: 2001-292521/ 200131

XRPX Acc No: N01-209088

Automatic content-organizing system creates web pages by identifying types of page and a method of creating pages to form a site, defining page designs and extracting data from databases and embedding the data in the pages

Patent Assignee: RIP JAPAN CO LTD (RIPN-N); YUKINO K (YUKI-I); RIPPU JAPAN KK (RIPP-N)

Inventor: YUKINO K

Number of Countries: 026 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1056022	A2	20001129	EP 2000110966	A	20000526	200131 B
JP 2000339251	A	20001208	JP 99148442	A	19990527	200131

Priority Applications (No Type Date): JP 99148442 A 19990527

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 1056022	A2	E	36	G06F-017/30	
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT

LI LT LU LV MC MK NL PT RO SE SI

JP 2000339251	A	21	G06F-013/00
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Abstract (Basic): EP 1056022 A2

NOVELTY - Types of HTML (or other protocol-based description language) pages and a suitable method of creating pages are specified to a program which creates pages and regularly extracts data from one or more databases and embeds the extracted data in the pages. The databases may be a commodity database and a shopping database. Page design information may include a **template** containing a substitution-specifying tag which replaces a given field of a database with a given description. The description is displayed when the database has a predetermined value in the given field.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for a recd medium carrying digital content-organized data.

USE - In designing web pages.

ADVANTAGE - Allows a user and a web designer easily to change the design of a Web page without the aid of a programmer.

pp; 36 DwgNo 0/18